Questions

- What is an Aspect and Pointcut in AOP?
- What are the different types of AOP advices?
- What is weaving?

```
@Component
class HiByeService {
  public void sayHi(String name) {
    System.out.println("Hi " + name);
  public void sayBye() {
    System.out.println("Bye");
  public String returnSomething() {
     return "Hi Bye";
```

```
@Aspect
@Component
class MyAspect {
    @Before("execution(* HiByeService.*(...))")
    public void before(JoinPoint joinPoint) {
        System.out.print("Before ");
        System.out.print(joinPoint.getSignature().getName());
        System.out.println(Arrays.toString(joinPoint.getArgs()));
    }
}
```

AOP concepts Joinpoint Advice Pointcut Aspect Weaving Weaver

Advice Types

- Before advice
- After returning advice
- After throwing advice
- After (finally) advice Always executed
- Around advice Most powerful Performance Logging

AspectJ vs Spring AOP

AspectJ is a full fledged AOP framework

- Advise objects not managed by the Spring container
- Advise join points other than simple method executions
 - (for example, field get or set join points)

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